

**National Institute of Standards and Technology (NIST)**  
**Personal Identity Verification (PIV) of Federal Employees/Contractors**  
**PIV Demonstration Announcement**

NIST received a strong response to its first PIV Demonstration announcement. Due to the continued interest NIST is receiving from vendors who did not make it into the first response period, NIST is re-opening the window for vendors to submit their interest in participation.

NIST invites potential vendors to provide products that support FIPS 201 Part 2 to NIST for the express purpose of their inclusion in the PIV demonstration. For a limited number of days, NIST will make the demonstration open to all Federal agencies interested in FIPS 201 implementations. All interested vendors should contact Erika McCallister or Hildy Ferraiolo <PIVTestBed (@) nist.gov> by **April 10, 2006**.

We will provide the standard agreement to each vendor by email. Two signed originals of the agreement must be submitted via postal mail by **April 17, 2006**. To guarantee your agreement is executed in time for participation, we recommend that you submit the agreement immediately after receipt. We expect the demonstration period to begin in late April. This notice is not a Request for Proposal (RFP), and the Government will not award any contract on the basis of information or specifications provided by the potential vendor.

Please note that NIST is now permitting vendors to provide enrollment systems in the PIV Demonstration. If you have already submitted or executed an agreement, please contact us about amending the agreement to include an enrollment system.

Vendor selection criteria are as follows:

- Interested vendors must have products related to card issuance and management, front-end components, and/or the access control components described in the FIPS 201 Part 2.
- Products must be capable of demonstrating FIPS 201 Part 2 functionality.
- Vendors must supply all of the components required to make their products functional within a FIPS 201 implementation.
- All PIV card applications and middleware solutions must be certified PIV-conformant or be pending certification through the [NIST Personal Identity Verification Program \(NPIVP\)](#) test labs prior to April 2006.
- Interested vendors must be willing and able to enter into a Cooperative Research and Development Agreement (CRADA) with NIST.
- The following are suggested categories of products for inclusion into the demonstration.

- ◊ Card Issuance and Management Components:

- i. Card printers capable of performing PIV card personalization and initialization
  - ii. PKI solution providers that are interoperable with the U.S. Federal PKI Common Policy Framework
  - iii. Biometric solution providers that capture biometric data for comparison with real-time biometric samples
  - iv. Enrollment systems capable of capturing and storing PIV data elements
- ◇ Front-end Components:
  - i. Smart card contact readers capable of reading PIV cards
  - ii. Smart card contactless readers capable of reading PIV cards
  - iii. Biometric readers capable of performing real-time biometric scans
  - iv. PIN pad devices capable of interoperation with logical and physical access control systems
  - v. PIV cards that are NPIVP certified or pending certification
- ◇ Access Control Components:
  - i. Complete physical access control solutions capable of interoperation with PIV cards
  - ii. Logical access control systems capable of interoperation with PIV cards
    - 1. Network login solutions
    - 2. Remote access authentication solutions
    - 3. Web authentication solutions
- ◇ PIV System Integrators
- ◇ Database Solution Providers for FIPS 201 Implementations

All participating vendors must review and agree to the terms of this example CRADA (“[NIST PIV Demonstration Agreement](#)”). The terms of the agreement CANNOT be modified. This agreement provides NIST with the opportunity to perform proof of concept of FIPS 201 and accompanying Special Publications through the PIV demonstrations and to demonstrate the interoperability of PIV cards. It does not allow NIST to evaluate products or endorse any particular product or combination of products therein. Participating vendors are expected to

provide samples of their product and any associated documentation and resources in direct support of their product's integration into the demonstration. The products will be returned to the vendor after the demonstration period. NIST reserves the right to use the equipment again during the 2 year duration of the agreement. Each vendor is expected to cooperate with other vendors participating in the demonstration to the extent necessary to meet the goals of the demonstration.

Once the list of participating vendors is finalized, NIST will distribute a schedule of different configurations to be demonstrated using the selected products. The schedule will be based upon available configurations of the card issuance and management systems coupled with appropriate access control and front-end systems. NIST cannot guarantee that all of the products provided by participating vendors will be used in the demonstrations.

The expected outcome of the PIV Demonstration is the verification that products supporting FIPS 201 Part 2 are interoperable. Participants will gain from the knowledge that their products are interoperable with other vendors' offerings, and participants will increase their visibility with Federal agencies having an interest in FIPS 201 implementations.

Note: The proposed revisions to FIPS 201 regarding the interim status indicator will not affect the PIV demonstrations.

**For further information, please contact:**

Erika McCallister  
NIST  
100 Bureau Drive, Mail Stop 8930  
Gaithersburg, MD 20899  
Email: [PIVTestBed@nist.gov](mailto:PIVTestBed@nist.gov)  
Phone: 301.975.3390  
Fax: 301.948.0279

Or

Hildy Ferraiolo  
Email: [PIVTestBed@nist.gov](mailto:PIVTestBed@nist.gov)  
Phone: 301.975.6972  
Fax: 301.948.0279